



TABLE 1.

FLANGE SIZE DN / ASMEI	ANTENNA		ANTENNA PLATE OD $\phi$ (mm)
	SIZE(mm) $\phi D(\text{MAX})$	OPENING SLOPE	
80 / 3"	70	15°	$\phi 130$
100 / 4"	93	15°	$\phi 154$
150 / 6"	141	15°	$\phi 215$

- 4 CYLINDRICAL ANTENNA LENGTH ( $L_{ext}$ ) IS NEEDED FOR CONFIGURATION DATA. FOR REQUIRED INSTALLATION SPACE, TAKE THE ANTENNA LENGTH INTO CONSIDERATION.
- 3 NOZZLE HEIGHT: FOR BEST MEASUREMENT PERFORMANCE IT IS RECOMMENDED THAT ANTENNA TIP ENDS OUTSIDE THE NOZZLE (MIN 20mm).
- 2 PRESSURE AND TEMP RATING: FOR PRESSURE APPLICATIONS, CALCULATION OF FLANGE THICKNESS HAS TO BE DONE WITH RESPECT TO FLANGE MATERIAL, GASKET TYPE AND BOLTING. MAX ALLOWABLE RATING FOR ANTENNA TANK SEAL IS DEPENDING ON THE SEAL TYPE AND O-RING ORDERED.
- 1 RECOMMENDED INSTALLATION DISTANCE FROM TANK WALL TO RADAR GAUGE IS 600 mm. INSTALLATION CLOSER TO THE TANK WALL MAY REDUCE PERFORMANCE.

POS	ITEM DESCRIPTION	REMARK	SUPPLIER
05	GASKET	SEE NOTE 2	CUSTOMER
04	ANTENNA PLATE	DIMENSIONS, SEE TABLE 1	RTR
03	BOLTING	ACC TO FLANGE STD	CUSTOMER
02	FLANGE WITH CENTER HOLE $\phi 34 \pm 0.3\text{mm}$ THICKNESS: MAX 42mm	FLANGE DIMENSIONS ACC TO: EN1092-1, DN80-DN250 ASME B16.5 3"-10", P/T RATING, SEE NOTE 2	CUSTOMER
01	TANK FLANGE		

ISSUED BY				WEEK				PRODUCT CODE				FILE				INSTALLATION DRAWING TITLE											
EMe-BL				1413				5900				ACAD				MECHANICAL INSTALLATION DWG ANTENNA CONE EXTENDED											
APPROVED BY				WEEK				ORIGINAL DWG NO.				SCALE				DOC TYPE				DWG NO.				ISSUE		SHEET	
EMe-MH				1414				-				-				2				D7000002-186				01		01/01	
<b>ROSEMOUNT</b>												1 ST ANGLE															
Tank Gauging																											

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